THE EVENING WORLD'S RADIO PHONE ERVICE COLUMN

he assistance is to be of any earthly use o those on board. Consider for a mo-

less time than it takes to tell it and the

WOODEN FLEET'S RADIO EQUIP-

MENT.

ment and personnel.

By Capt. Robt. Scofield Wood | it badly, and there is no time to spare it D. F. C., M. C., Croix de Guerra with four paime, formerly Commander 167th Squadron, Royal Air Forces.

to those on board. Consider for a mo-ment the plight of passengers on a fragile aircraft forced to land fifty or even ten miles from land in a sea that is running heavy. The hull, which is its strongest section, is of very little dura-bility when faced by tons of water fall-ing from a height of fifteen or twenty feet. The whole machine breaks up in RADIO FOR AEROPLANES. The radio regulations advocated by The Evening World for aeroplane equipbears fruit and, if enforced as ansed by Secretary of the Navy passengers have about as much chance of living in this water for any length Danby, will make constwise aeronautics as cafe as a chair at the opera.

of living in this water for any length of time as the proverbial snowball has in the regions below. The use of radio communication and directional wireless are obvious in such exigencies.

There are along the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands of a material or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and thousands or the coast forty-three radio beacons and the coast forty-three radio beacons and the coast forty-three radio beacons and the coast forty-three radio The regulations provide that all aero planes making long passenger fights be equipped with radio sets of sufficient strength to communicate with ship or whose stations within a radius of 200 miles. It is also planned to install radio sets complete on all mail machines, after the content of the cont radio beacons and thousands of amateur stations within the 200-mile radius of the prescribed installation, so that any

rording the pilet constant communication with both ends of his route.

Not only are machines being equipped
with sets for communication, but also
for purposes of navigation, as is cvidenced by the daily reports of the Radio
Rosbons Service. Some aeronavigators
call for their positions whenever the
alightest doubt occurs.

Navigators of the old school feel very
acutely the imputation of having their
singt location given to them by an outside party, but not so with the navigainstall immediately the necessary equipment and personnel.

side party, but not so with the naviga-tors of the new school, among whom the aero-pilots are numbered. They re-alize among other things that humans will, can and do err, and that there is little or no room for a mistake in an

10 for 5c

MANY STATES TO FOLLOW MICH-

IGAN IN RADIO.

Michigan officially is to install a radio system that is the first of its kind in America, using thirteen of the Shipping Board radio sets as its operating equipment. Several other States have made inquiry at the Radio Section of the Design of the Design of the Radio Section of the Design of t inquiry at the Radio Section of the Department of Commerce concerning the licensing of State radio systems. The department is of the opinion that point to point radio stations should be discouraged except in States where ra-

S. U. MARINE BAND AT N O F EVERY WEDNESDAY.

The United States Marine Band under the leadership of Capt. W. H. Santelmann, has given two concerts by radio from N O F. Anacostia, on Wednes-day evenings for the past fortnight. Fans from all over the country are re-porting on the reception of the pro-gramme, some from as far away as Central Canada and west of the Mississippi Valley.

QUESTIONS AND ANSWERS

the wave length of a single wire aerial 125 feet long, with a 5-foot lead-in and a 15-foot ground? Is there any danger from lightning if the aerial is installed according to regulation? What is the hook-up of a loading coll with a regular crystal set?" Answer—Wave length of

nitting set, with a 140 ampere hour of the sum of the reciprocals of the ca-storage battery. They are located at pacities, which is siways smaller than nost of the principal ports, but the bulk the smallest condenser in the series. The effect of connecting condensors in series is to increase the thickness of the dislectric which reduces the capacity. If a series of condensers of like capacity are hooked up the total capacity will be

E. T., Newark-"Will a crystal set in lead work as well as one that is just held in the claws of a holder?" Answer—A crystal set in lead will not work at all. The heat of the melting lead proves ruinous to the sensitivity of die is practically the only means of ef-die is practically the only means of ef-fecting dependable communication or the destruction of existing systems is but a sort of metal made by mixing tin. oil and mercury into a paste.

K D K A—Pittsburgh 340 Metres.

2.30 P. M. and at 15-minute intervals thereafter—Baseball scores. 7 P. M.—Baseball scores, news, week-T P. M.—Haseball scores, news, week-ly survey of business conditions by the National Industrial Conference Board. 7.45 P. M.—Government market re-ports and a report of the New York Stock Exchange. 8 P. M.—Baseball scores, "Interior Decoration," by the Joseph Horne Com-nany Pittshurgh.

pany, Pittsburgh.

8.30 P. M.—"Arachnie" and "The Story of Clytie," bedtime stories for the children.

9 P. M.—Music.

10 P. M.—Baseball scores.

10.55 P. M.-Arlington time signals.

where an everything was acrificed to expect and manorements of the series and point of speed and manoeuvershility. Even on east electron could be seried and manoeuvershility. Even on the semilar should be seried and manoeuvershility. Even on the semilar should be seried and manoeuvershility. Even on the semilar should be required and manoeuvershility. Even on the semilar should be seried. Readle of seried in the series with the series where the series should be conserved to be peed and manoeuvershility. Even on the semilar should be seried. Readle of series should be conserved to be peed and manoeuvershility. Even on the semilar should be seried. Readle of series should be conserved to be peed and manoeuvershility. Even on the semilar should be seried. Readle of series should be conserved to the series should be conserved to be peed and manoeuvershility. Even on the semilar should be conserved to the semilar should be conserved to the semilar should be conserved to the semilar should be carried. The semilar should be carried to the sexistion of other thing peed wherever or the series of the series of the semilar should be carried, to the sexistion of other thing peed wherever or the series of the seri

Janua Frisch

Those Chiclets

take it from the "Fordham Flash"!

Free sample box when you meet the Girl in the Orange Tam!

are great,

Try 'empeppy and

delicious!

Opera-told in running fashion throughout the performance by Charles Issaeson, Chatrman. "The Barber Isaacson, Chairman, "The Barber of Seville," by Gioachino Rossini, comic opera in two parts, cast; Rosina, Eva Leoni, soprano; Bertha, Edith Mackle, soprano; Count Almaviva, Alexander Tronzoff, tenor; Figaro, Alberto Ter-rasi, baritone; Doctor Bartolo, Don Basillo; Natale Cervi, basso, Remo Taverna, conductor (at the plano). Taverna, conductor (at the plano). 9.30 P. M.—Joint recital by Florence Briggs, cellist; Dorothy Fine, pinnist Briggs, cellist; Dorothy Fine, planist and accompanist. Programme: "Melodie," accompanist. Programme: "Melodie,"
Massenet: "Serenade," Pierne; "Simple
Avis." Thome: "Gypsy Love Sons,"
Victor Herbert; "The Swan," SaintSaens, "Romance," Rubinstein; "Romance Sans Parole," Van Goens; mance Sans Parole," Van Goens;
"Where My Caravan Has Rested,"
Lohr; "Believe Me, if All Those Endearing Young Charms," by Miss
Briggs, "Romance," Sibelius; Miss Fine,
"Country Gardens," Grainger; Miss
Fine,

CLOUDS OF MOSQUITOES CAUSE FIRE ALARMS

Mistaken for Smoke Issuing from Two Chicago Church Steeples. CHICAGO, June 5 .- Mesquitoe flying in such thick swarms that they were mistaken for smoke caused two fire alarms yesterday.

Members of a truck company answered a call saying that the steeple of the St. Michael Roman Catholic Church was burning. The firemen saw what they at first supposed was small cloud of smoke and then raised their extension ladder. When pipemen mounted the ladder they enountered the mosquitoes and were forced back. They found no fire.

The same experience was met by members of an engine company called to the Zion Baptist Church in another part of the city.

SHIP NEWS INFORMATION

| Arrived Yesterday. | |
|---|---|
| Hansa, Hamburg Jaconia, Liverpool Folea, Port Limen Kroonland, Antwerp Due To-Day. | May 25 May 24 May 28 |
| Due To-Day. | 15000 000 |
| Baltle, Liverpool La Bavole, Havre Stro, Havana Maracalbo, Mayaguez Dropesa, Boutnampton Monterey, Havana Porto Rico, Ban Juan. Colombia, Cristobal | May 21 June 1 May 20 May 20 June 1 May 31 |
| Due To-Morrow. | |
| Matura, Trinidad | June 3 |
| Due Wednesday. | |
| Huseppi Verdi, Napies | June 5 |
| Sail To-Day. | 44.44 |
| Colon, Cristobal11.30 A.M. | Batis. 3.00 P.M. |
| Sail To-Morrow. Mails Close. Maraval, Trinidad 8 00 A.M. | Saila. |
| Cian McKay, Monte- video . 8.00 A.M. Mauretania, Bouthamp- | Noon |
| ton 8.00 A.M. Cantigny, Antwerp 6.00 A.M. | 9.50 A.M. |
| Sail Wednesday. | |
| Mails Close Pres. Monroe, London. 8.30 A.M. Hannover, Bremen. 7.50 A.M. St. Paul, Hamburg. 8.00 A.M. Belvidere, Trieste. 8.00 A.M. | Noon 10.00 A.M. Noon Noon |
| Colombia, Ban Fran- cisco 7.80 A.M. | 10.00 A.M. |

BAD COMPANY. (From the Savannah News.)
Johnny had used some unparliamen

ary language, much to his mother's distress. "Johnny," she cried, "do stop using such dreadful expressions. I can't imagine where you pick them up." "Well, mother, Ehakespeare uses

"Then don't play with him again, commanded his mother; "he's not a companion for you, I'm sure."

Why We Need A Tariff

ducts imported into this country is primarily a wall erected around the country for the protection of its workmen and its industries.

By protecting the country's industries the tariff protects the American workman and enables him to maintain a decent standard of living. This is an objective with which no self-respecting citizen can quarrel.

The tariff protects the citizens at large by shutting out of the country cheap foreign-made goods which, generally speaking, are in no way com- back of the tariff.

A tariff on foreign pro- parable in quality and workmanship with the honest American product.

To illustrate by an example with which we are familiar: the only shoes imported into this country which can in any way be compared with Coward Shoes are sold at a great advance in price over Coward Shoe prices.

These two elementsprotection of American industries and protection of American workmenare the main supports of the tariff, and, when understood, they are sufficient in themselves to put every citizen solidly

James S. Coward

"-I hated to walk around"



March 20, 1922

The O'Sullivan Heel Company 151 Hadson Street, New York, N.Y.

While my regular shoes were being repaired recently, I had to wear an old pair with leather

By evening of the second day the bones of my feet, especially on the outside, were painfully sore. They felt as though they had been pounded until they ached. I hated to walk around.

The following day I got my first pair back with their new O'Sullivan's. I ceased to feel the pavements with every step, and within three days, the last trace of soreness had disappeared.

I was so delighted to get back to O'Sullivan's that I'm writing to tell you what O'Sullivan's mean to me.

Very sincerely yours,

THIS letter, written by a promi-Inent New York artist, speaks for itself.

The price of O'Sullivan's Safety Cushion Heels to you is generally the same as the price of other heels, in spite of the fact that O'Sullivan's cost the dealer more.

Your repairman could make a bigger immediate profit on any one of half a dozen substitutes-but when he puts on O'Sullivan's he knows you'll bring trade to him

Ask for O'Sullivan's when you leave your shoes - see that they are attached. The O'Sullivan Heel Company.

INSIST ON GETTING O'SULLIVAN'S

clets the delicious
candy coated
chewing gum Tutti-frutti Spearmint

American Chicle Co.

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